Year 10 science: Chapter 2 'Communications Technology'

* Crossword
* Glossary (in your notebooks with definitions that can be taken from the crossword and textbook glossary and chapter 2): Diaphragm, generator, binary, digital, amplifier, transformer, analogue, amplitude, Ohm, LED, diode, silicon, semiconductor, Marconi, transistor, voltage, Amp, current, AC, DC,
* Look at a few real components on display and pg 35: LED, capacitor, LDR, resistors. Draw how they really look and their symbols. What do each do?
* Use the resistor colour key on page 35 to read off the resistance value (in OHM) and ‘tolerance’ % of following resistors; a. red red black gold; b. blue black red silver; green yellow grey gold
* Morse code activity
* How mobile phone networks operate (video)
* Prac: pg34-35,
* Notes on how microphone/speaker works
* Check questions: p32-33, 40-41, 48-49; main ideas/review q pg 50-51; Science in action p38
* Electromagnetic wavelength spectrum and AM/FM, AC/DC differences